

20010218.ba v03\_n106.bam.20010218

>From ???@??? Sun Feb 18 23:17:55 2001 -0600  
Date: Sun, 18 Feb 2001 23:15:30 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3106  
Message-Id: <20010219062423.D12F13560@devel43.theporch.com>

BOATANCHORS Digest 3106

Topics covered in this issue include:

- 1) PP-3929/FLR-9 schematic needed  
by Charles <charlesmorris@erols.com>
- 2) Re: Dynamotor PE73-C Ident.?  
by =?iso-8859-1?Q?Andr=E9\_Guibert?= <aguibert@sympatico.ca>
- 3) Re: Mid-30s dyno pkg id?  
by William Donzelli <aw288@osfn.org>
- 4) Re: Silvertone 5656-A  
by "Hue Miller" <kargokult@proaxis.com>
- 5) Re: Mid-30s dyno pkg id?  
by "Hue Miller" <kargokult@proaxis.com>
- 6) Re: Mid-30s dyno pkg id?  
by W7QH0@aol.com
- 7) Re: Dynamotor PE73-C Ident.?  
by W7QH0@aol.com
- 8) Re: Identifiy Motorola 'HT' ?  
by "Hue Miller" <kargokult@proaxis.com>
- 9) hard times with hardwall  
by mnhopkins@juno.com
- 10) House wiring (arc-fault)  
by "w2tu" <w2tu@email.msn.com>
- 11) Re: House wiring hints & horrors  
by mblair1@home.net
- 12) Re: House wiring hints & horrors  
by mblair1@home.net
- 13) Re: hard times with hardwall  
by jackiv@juno.com
- 14) CA location ?  
by BEN NOCK <G4BXD@compuserve.com>
- 15) FS R-391  
by plmills@attglobal.net
- 16) RE: PE-145  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 17) Wrinkles  
by "Bob Nickels" <ranickel@mwci.net>
- 18) National 1-10 questions

- by John Oglesby <oglesby2@worldnet.att.net>
- 19) Re: House wiring (arc-fault)  
by Arden Allen <gumbear@pacbell.net>
- 20) Re: hard times with hardwall  
by "Arthur I. Larky" <ail0@lehigh.edu>
- 21) hp 712B manual??  
by "Arthur I. Larky" <ail0@lehigh.edu>
- 22) Re: Wrinkles  
by Lenox Carruth <carruth@geo-thermal.com>
- 23) Phonoco Crimp Splices Needed  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 24) KWM-2 mic wiring?  
by Tom Norris <badger@telalink.net>
- 25) Re: Wrinkles  
by "Andrew Emmerson" <midshires@cix.co.uk>
- 26) Re: National HRO Questions  
by James Hanlon <knjhanlon@qwest.net>

---

From: Charles <charlesmorris@erols.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: PP-3929/FLR-9 schematic needed  
Date: Sat, 17 Feb 2001 19:59:41 -0500  
Message-ID: <7g7u8ts14ebq3br9oknbtp8r1iampr8g6f@4ax.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

I have a PP-3929 power supply (two 10v units, one 8A, one 2A) which apparently was part of the FLR-9 "antenna farm" systems. It's not regulating properly.

Anyway Fair Radio does not have a schematic. Does anyone out there have one?

thanks  
Charles, WB3JOK

---

Tired of noise from Dulles Airport, BWI or National?  
Check out [www.caan.org](http://www.caan.org) and call your Congressman!

---

Message-ID: <000d01c09946\$b1e66240\$4815fea9@b1yhpg64>  
From: =?iso-8859-1?Q?Andr=E9\_Guibert?= <aguibert@sympatico.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Dynamotor PE73-C Ident.?  
Date: Sat, 17 Feb 2001 20:03:25 -0500  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bonsoir to All  
Suspect that the above dynamotor power the BC-375.  
Input is: 28v(dc) at 19amps.  
Output is: 1000v, .35 amps  
Right or wrong?  
Andre

-----  
Date: Sat, 17 Feb 2001 20:07:24 -0500 (EST)  
From: William Donzelli <aw288@osfn.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>, sars-refl@g10.com  
Subject: Re: Mid-30s dyno pkg id?  
Message-ID: <Pine.SUN.3.91-FP.1010217200146.15224F-1000000@osfn.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

> 0000PS, take that back. PE55 was used with BC223 in SCR245 - '487  
> showed it in back of a command car (foto 1415). PE55 was 12V only,  
> looks like PE145 allowed BC223 to run in 24V aircraft - say in B10 bumper.

B-10s (and -12s and -14s, and even the first B-17) used the BC-AA-191 and friends. Later planes received "normal" BC-191s and later BC-375s. A few types probably received BC-307s, but I do not know which ones.

> Any readers ever have a BC223 - the "baby BC191?"

Nope, not me, anyway. No BC-307, either, although I would kill a man for one.

William Donzelli  
aw288@osfn.org

-----  
Message-ID: <001101c0994a\$08a90c60\$85fd91c6@oemcomputer>  
From: "Hue Miller" <kargokult@proaxis.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: <boatanchors@theporch.com>  
Subject: Re: Silvertone 5656-A  
Date: Sat, 17 Feb 2001 17:27:50 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Christopher A.Bowne <radiobwn@ricconnect.com>

>On a related subject, I  
> have heard (folklore?) that Macy's at one time just after the war  
was  
> selling complete WS No. 19 systems, in the crates, one Christmas.  
Anyone  
> else have any info on this?

Not just Macy's, but other places. I have advertising somewhere, from  
a newspaper, yes, newspaper, selling them also.  
When you get right down to it, there probably wasn't any mil  
equipment  
that couldn't be bought new after the war ended. Some, more than  
others. Oh, i take that back: sonobuoys and maybe J-E, no.  
Hue Miller

-----  
Message-ID: <004d01c0994c\$0bba5920\$85fd91c6@oemcomputer>

From: "Hue Miller" <kargokult@proaxis.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Mid-30s dyno pkg id?

Date: Sat, 17 Feb 2001 17:42:21 -0800

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> 0000PS, take that back. PE55 was used with BC223 in SCR245 - '487  
> showed it in back of a command car (foto 1415). PE55 was 12V only,  
> looks like PE145 allowed BC223 to run in 24V aircraft - say in B10  
bummer.

--Forget the part about aircraft, Marty, more like 24 volt vehicles,  
which includes tanks. For aircraft there already were the BC-307,  
BC-191-AA.  
Hue Miller

-----  
From: W7QH0@aol.com

Message-ID: <fc.27eec88.27c091bd@aol.com>

Date: Sat, 17 Feb 2001 21:47:25 EST

Subject: Re: Mid-30s dyno pkg id?

To: Old Tube Radios <boatanchors@theporch.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

This sure sounds like a dynamotor for the BC-223. Input 12/24 volts and 500 v. @ 200 ma out line up just right. What I have on the BC-223 comes from a 1942 manual on the SCR-245 GX, JX, MX, NX and PX versions. The power supplies identified for these sets were the vibrator unit PE-125-AX and the dynamotor unit PE-135-AX. The actual dynamotor included in the latter "unit" is identified as a DM-49AX. The only discrepancy here is the identification of the dynamotor in question as a "DY" as opposed to "DM"-49. Maybe an earlier (later) version?

Dennis D. W7QHO

-----  
From: W7QHO@aol.com  
Message-ID: <a8.1147db0b.27c0948d@aol.com>  
Date: Sat, 17 Feb 2001 21:59:25 EST  
Subject: Re: Dynamotor PE73-C Ident.?  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Right! That dyno went with the 375.

Dennis D. W7QHO  
Glendale, CA

-----  
Message-ID: <000b01c09985\$90cb0c20\$acfd91c6@oemcomputer>  
From: "Hue Miller" <kargokult@proaxis.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Identifiy Motorola 'HT' ?  
Date: Sun, 18 Feb 2001 00:34:01 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

So when was this Motorola handie built? Uses submini tubes and 3 transistors, has short telescopic antenna, cute little Motorola microphone that stores on side of HT, and looks like it was intended to be worn on belt or Sam Brown belt. Pretty cute rig. Now on 160.00, which i don't understand either.  
Hue Miller

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Sat, 17 Feb 2001 09:34:40 -0600  
Subject: hard times with hardwall  
Message-ID: <20010218.054951.-489925.0.MNHopkins@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: mnhopkins@juno.com

Let not our house wiring thread unravel without a word for hard metal conduit -- let's choose a profanity.

This '26 model went up with water pipe like tubes in the main house and ball and knob in the garage apartment. I think the ball and knob was safer. They used rubber insulated, fabric wrapped wires in the thick wall pipes. This stuff has survived, but not the integrity of the ground through the metal pipes back to the service entry.

W5FRS and I found a 57 volt above ground line in the basement where, one assumes, more moisture has worked on the threads of the hard stuff and put the ground farther and farther away. Dennis cautioned me about extraneous, add on grounds. I added two.

Later add-ons, even a BX run to an outside light, are better. And certainly the Romex to a 1950s bath and the air conditioners is a lot better.

The Ball and Knob is gone. They made me, but now I have a large set of nice cermaic tubes and such and when I run a computer Ethernet wire through a wall I place one. Waste not, want not.

73 de ab5L, michael in dallas, cataloger of converters,  
Student of 6M's Golden Age: 1956-58. Box 226841, 75222  
MNHopkins@JUNO.com

-----  
Message-ID: <001201c099bb\$20699ba0\$d80c0a3f@default>  
From: "w2tu" <w2tu@email.msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: House wiring (arc-fault)  
Date: Sun, 18 Feb 2001 09:57:24 -0500

For all those who asked:

The arc-fault circuit breakers will be required by NEC in January 2001 (unless changed).

They require similiar circuit configuration to the GFI's we have all come to love!. Evidently, many of the fires attributed to wiring faults happen in bedrooms where fabrics, curtains, etc. are near outlets. (They say this will also give limited protection to extension cords.)

For a more detailed explanation try:

1. <http://www.squared.com>
2. click on products
3. Page down to Circuit protection group
4. Click on arc-fault

They give a pretty detailed explanation of what and why.

Should be interesting. (Glad I'm retired!)

Paul B. W2TU

-----  
Message-Id: <200102181543.HAA09710@cx689895-a.msnv1.occa.home.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: House wiring hints & horrors  
Date: Sun, 18 Feb 2001 07:43:51 -0800  
From: mblair1@home.net

n6nae@ix.netcom.com wrote:

> Going back a ways, there was some discussion on which way a 3-hole  
> outlet should go into the box, ground up or ground down. Consensus  
> seemed to be that NEC now wants the ground side up so that if  
> someone drops a paper clip down the wall, it can't touch the blades.  
> Right, like that happens every day.

Or a metal outlet cover plate... Those do get loose once in a while.

[...]

> I don't know what the NEC requires, if it does, but this is the same  
> NEC that thinks push-in wiring is fine and also approved BX shields  
> for ground and combustible barn cable in combustible barns.

As of the 1996 NEC, ground is supposed to be on top for new installations. Push-in wiring for 20A utility outlet circuits is prohibited. Somebody mentioned that using BX cable jackets as shields was prohibited about 50 years ago; now, a separate suitably-sized ground conductor is almost always required, and flex conduit or BX jacket can only be used as a ground in an equipment pigtail of 6 feet or less (I wouldn't even do it there, personally). I studied the 1996

NEC rather carefully when doing some house requiring a while back, and the requirements seemed reasonable to me, and more restrictive than the local electrical codes (which were base on the 1993 NEC).

--

Mark J. Blair, KE6MYK <mblair1@home.net>  
PGP 2.6.2 public key available from <http://www.keyserver.net/>  
Web page: <http://www.qsl.net/ke6myk/>  
DO NOT SEND ANY UNSOLICITED COMMERCIAL EMAIL TO THIS SITE  
PLEASE SEND PLAIN ASCII TEXT ONLY -- NO HTML OR QUOTED-PRINTABLE

-----  
Message-Id: <200102181546.HAA09868@cx689895-a.msnv1.occa.home.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: House wiring hints & horrors  
Date: Sun, 18 Feb 2001 07:46:27 -0800  
From: mblair1@home.net

Arden Allen <gumbear@pacbell.net> wrote:  
> The best solution is to redesign all plugs and outlets so the outlet  
> is recessed and the plug fits into it and latches.

You could use twist-lock plugs and outlets, if you don't mind replacing the plugs on your electrical appliances. I used a NEMA L14-20 outlets for the 220V circuit in my garage and radio room.

--

Mark J. Blair, KE6MYK <mblair1@home.net>  
PGP 2.6.2 public key available from <http://www.keyserver.net/>  
Web page: <http://www.qsl.net/ke6myk/>  
DO NOT SEND ANY UNSOLICITED COMMERCIAL EMAIL TO THIS SITE  
PLEASE SEND PLAIN ASCII TEXT ONLY -- NO HTML OR QUOTED-PRINTABLE

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Sun, 18 Feb 2001 10:10:37 +0100  
Subject: Re: hard times with hardwall  
Message-ID: <20010218.101314.-348339.1.jackiv@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
From: jackiv@juno.com

There are interesting comments in the National Electrical code concerning "knob and tube " wiring. It seems as if it is still permitted. (ref articles 320 and 324)..



One problem with the old rigid or black iron laquered conduit was the lack of thread sealant to prevent rust. This was up to the installer and they usually hand tightened the joints. We did not have an aggressive syatem then (50 years ago)..

Then we had the ham that shunt fed the soil pipe vent to the roof. He forgot that the joints were "oakum" and lead. He developed a small fire in the wall where arcing occurred in a joint. he found it quite quickly and was able to put it out, but not before a section of wallwas destroyed.

sorry, Could not resist the comments.

Jack K0EWU <jackiv@juno.com>

-----  
Date: Sun, 18 Feb 2001 11:31:32 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: CA location ?  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200102181131\_MC2-C5F7-93D8@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Any member live in or very near Laguna Hills, CA ?

Ben G4BXD.

-----  
Message-ID: <3A8FFC4A.976B72C7@attglobal.net>  
Date: Sun, 18 Feb 2001 10:46:02 -0600  
From: plmills@attglobal.net  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: FS R-391  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello,

I have a Collins R-391 for sale. It is in good condition overall. Works, autotune works, with rf cover and meters, no top or bottom covers. Front panel is good though it has been touched up across the top and this is noticeable. The main tuning knobs are NOS. The autotune locking shafts are not original.

I'm asking \$650. This is pick up only just south of Houston, TX. I will deliver or meet buyer for expenses. I can send .jpg

files to anyone seriously interested.

thanks & 73,  
Phil  
W5BVB

-----  
Date: Sun, 18 Feb 2001 12:36:20 -0500  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: RE: PE-145  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200102181236\_MC2-C607-223@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
        charset=ISO-8859-1  
Content-Disposition: inline

Marty & Group,

PE-145-A, according to TM 11-223, Signal Equipment Directory, Power Units=  
,  
is a four-cylinder gasoline engine driven 20KW 120/208VAC generator. Use=  
d  
with SCR-545-A.

>>A DY49 with 24V or 12V in - 500V .2A out. On a big relay-bearing  
>base which, with Dyno, called PE145. Chicago '42 contract.

Only reference I can find is in Navships 94200.1.

List gives very limited (unusual) data. Gives virtually no information =

except that TM is TM 11-929.

<

Robert Downs  
<RWDowns\_WA5CAB@compuserve.com>  
Houston

-----  
Message-ID: <00c301c099d5\$beef2000\$e82fcfd1@hppav>  
From: "Bob Nickels" <ranickel@mwci.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Wrinkles  
Date: Sun, 18 Feb 2001 12:02:34 -0600

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yeah, I know you're supposed to spray wrinkle-finish paint on the hottest day of the year, not in February in Illinois...but I did anyway.

Makeshift paint-booth, everything nice and warm and scrupuously clean - looked like this was going to be my lucky day. Except the wrinkles have wrinkles! I mean runs...I must have gone a little past the recommended "heavy coat".

But since the rest of the panel looks good, I think I'll try to lightly sand down the run areas and re-paint. Any bets on how soon I'll be stripping and repainting the whole works: :-)

This latest painting attempt reminded me of two questions this group might have thoughts on:

1. The old timers threw black wrinkle (or "crinkle") paint on everything from aluminum to masonite - what made it so easy then and so hard now? (I suspect if Barry O. weighs in on this, it will be due to some magic ingredient the gummint no longer allows us to use!)
2. Does anyone have a design for a workable spray-paint booth for home use? Ideally it would be small or portable, capable of being used indoors for us four-season guys, and safe. (I still wonder how car body shops, etc keep the paint fumes out of their pilot lights, etc). Thanks for any pointers, I know this info is out there, somewhere...

73, Bob W9RAN

-----  
Message-ID: <3A9016F7.6943A33E@worldnet.att.net>  
Date: Sun, 18 Feb 2001 13:39:58 -0500  
From: John Oglesby <oglesby2@worldnet.att.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: National 1-10 questions  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

Well - I always wanted a 1-10 receiver, and now I have one. The one I have seems to be very clean, but has at least one modification. (And no manual or documentation, of course) There is a stack of two AA

batteries in series mounted in the RF compartment. I assume that they are to enhance the regeneration of the receiver, but I'm not sure. Have there been mods for these receivers published over the years? Does anyone have a schematic they could provide? What else should I know before I start digging into this very pretty little receiver?

As always, thanks in advance

John - N9RE

-----  
Date: Sun, 18 Feb 2001 10:25:38 -0800  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Re: House wiring (arc-fault)  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0G8Y00KS2TNRB4@mta5.snfc21.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi Paul;

> ..... The arc-fault circuit breakers will be required by NEC in  
January 2001  
> (unless changed). .....

Here we go again. Another round of safety improvements. It sure took them long enough to figure out that circuit breakers don't prevent all fires. You can see it's big business, as evidenced by <<http://www.arcfault.com>>.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Message-ID: <3A904923.349D9595@lehigh.edu>  
Date: Sun, 18 Feb 2001 17:13:55 -0500  
From: "Arthur I. Larky" <ail0@lehigh.edu>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: hard times with hardwall  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I lived in a place one time where that had run the electric wires through the piping for the gas lamp fixtures. Every time you opened up a box to work on the wiring, you smelled illuminating gas! No 3-wire outlets, of course - this was in the 50's and who knew?

Art K3HBA

mnhopkins@juno.com wrote:

> Let not our house wiring thread unravel without a word for hard metal  
> conduit -- let's choose a profanity.  
>  
> This '26 model went up with water pipe like tubes in the main house and  
> ball and knob in the garage apartment. I think the ball and knob was  
> safer. They used rubber insulated, fabric wrapped wires in the thick  
> wall pipes. This stuff has survived, but not the integrity of the ground  
> through the metal pipes back to the service entry.

-----  
Message-ID: <3A904CE2.CB019400@lehigh.edu>  
Date: Sun, 18 Feb 2001 17:29:55 -0500  
From: "Arthur I. Larky" <ail0@lehigh.edu>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: hp 712B manual??  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I just got an hp 712B power supply. It came with a burned-out 4 Amp fuse, so I'd like to have a schematic. Any ideas?  
Art K3HBA

-----  
Message-ID: <3A905128.929D9983@geo-thermal.com>  
Date: Sun, 18 Feb 2001 16:48:08 -0600  
From: Lenox Carruth <carruth@geo-thermal.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Wrinkles  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

You probably cannot touch up the wrinkle paint with runs in it. Your best bet would be to strip it and start over. My experience has been that it is touchy to try to paint any surface that is not horizontal. I paint rectangular cases in separate steps - one for each side. Best bet is to use a heat gun to dry the paint. It will wrinkle in a couple of minutes. After an hour or so, the paint will be dry enough that you can paint the opposite side if you have some way to eventually support it without it resting on a painted side. Such as setting it on the open front of a cabinet.

Round objects, such as dynamotors, are another problem. I generally try to put the wrinkle on too thick. I think that you will notice that the wrinkles on the original stuff are pretty small. That means that the paint coat was fairly thin. This is tough to do but, with a little practice, it can be done.

My paint booth is the driveway. I just paint the stuff outside and bring it inside to dry. A box with a couple of heat lamps would be great but I have never wanted to have to store the thing when I was not using it. I do have a fan in one wall of my workshop and I can open a window on the opposite side and get a nice draft through the room. I put a standard AC filter in front of the fan and it catches most of the paint and dust. I only paint in the shop if it is something fairly small and I am using the airbrush as opposed to the full size spray gun or an aerosol can. Aerosol cans are much too messy to use indoors. I use a double action airbrush for small items and it works great.

I think that the run problem was solved during production by using close control of the paint film thickness. The clue there is the small size of the wrinkles. I refinished a Command Set receiver (yes, it was hard) and it came out looking much better than I ever expected it to. It has small wrinkles and I think that I just lucked out. I was probably afraid to put too much paint on it!

The best way to get a good wrinkle finish is to practice and strip anything that comes out with runs. You just can't touch the stuff up.

The real question seems to be: Why did they use the wrinkle finish on everything in the first place? No one uses it now on new equipment. What was the advantage? Your cue to enter, Barry!

--

Lenox

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Lenox Carruth                      Dallas, TX                      carruth@geo-thermal.com  
Collector of WW-II Communications Equipment and Memorabilia

Wanted: TBX-8 Antenna, Key, Canvas Case, Accessory Box  
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Date: Sun, 18 Feb 2001 19:07:02 -0500  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: Phoneco Crimp Splices Needed  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200102181907\_MC2-C5FA-87BD@compuserve.com>

MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

#### Groups

I finally got tired of having to either "let it ring" or dash down the attic stairs whenever I was up there looking for a TM (BA reference) and the phone rang, and installed a phone in the attic. However, to properly=

finish the job, I need some of the uncommon flat crimp splices normally used for such work by Ma Bell employees. I had some but I guess that I used the last of them. Is there anyone in the Houston area who could let=

me have a few, or tell me where to go to buy a box of them. I need the three or four hole ones.

73,  
Robert Downs  
<RWDowns\_WA5CAB@compuserve.com>  
Houston

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Message-Id: <4.2.2.20010218190223.00aeb3a0@mail1.telalink.net>  
Date: Sun, 18 Feb 2001 19:03:11 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Tom Norris <badger@telalink.net>  
Subject: KWM-2 mic wiring?  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have somehow misplaced my KWM-2 manual and need the wiring for the mic connector.

Thanks!!

Tom KA4RKT

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Message-ID: <00f001c09a1e\$b435e060\$121699c2@oemcomputer>  
From: "Andrew Emmerson" <midshires@cix.co.uk>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Wrinkles  
Date: Mon, 19 Feb 2001 02:38:42 -0000  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> The real question seems to be: Why did they use the wrinkle finish on everything in the first place?

(1) It was new and trendy.

(2) It covered minor blemishes in the metalwork.

>No one uses it now on new equipment.

No, but they do use the 'orange peel' look with epoxy powder finishes for exactly the same reason!

73

Andy Emmerson G8PTH.

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Message-ID: <3A90AC0B.F0D8F6A7@qwest.net>  
Date: Sun, 18 Feb 2001 22:15:56 -0700  
From: James Hanlon <knjhanlon@qwest.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: National HRO Questions  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Big Al,

Welcome to the ranks of HRO-50 owners! Though I have a product detector in the NFM socket in my 50, I'm not at all surprised as to your success at copying SSB. Just turn up the AF gain to 10, turn down the RF gain, put it on CW and away you go.

To your questions:

1. The AC coil is not interchangeable between the 50 and the 60. There is not, so far as I know, a separate "designation" between the coils for the two receivers; but there is a physical and electrical difference. The 60 runs dual conversion on 15 meters, actually on the C and higher frequency coil sets. The dual conversion coil sets have a large hole in the back of one of the coil compartments that allow a mating fiber lever in the receiver to pass through it. This turns on the second conversion stage. (Would an HRO-60 owner please tell us which one of the four coil



compartments has that hole?) Also, the coil sets for the HRO-50 have the band information engraved directly onto the metal front of the coil drawer in white lettering, while the sets for the 50T-1 (also a single conversion receiver) and for the 60 have a metal plate riveted to the front of the coil set with the band information. You could use a 50T-1 coil set in a 50, but not one from a 60, at least not without considerable retuning and perhaps a little work on the oscillator coil. I am using an AC coil originally built for an HRO-7 in my 50. I bought it new from Steinburgs in Cincinnati in 1952 or so, and it aligned just fine in my 50 and has worked ever since. (But if you use a coil from a 7 or an earlier HRO model in your 50, remember to lower the coil set contacts by putting a washer between the ceramic or phenolic coil sub-assembly and the can.)

2 & 3. The original crystal calibrator for the HRO-50 is simply designated "XCU" in my manual. It's a single 6AK6 with one of those Bliley, 100/1000KC crystal units in it. The socket wiring is similar to that on the NC300. Pin 2 is ground on both. Pin 4 is the output. Pin 7 is the filament lead. Pin 8 is the B+ lead. All of those pins appear to be the same on my HRO-50 and NC-303 circuit diagrams. Pin 5 on the XCU selects whether the calibrator runs on 100 or 1000 kc. Turning the calibrate switch to 100 supplies B+ to pin 8. Turning it to 1000 also supplies B+ to pin 8 and in addition grounds pin 5. I'm not sure what pin 5 was used for on the NC-300. On the 303, it is used to switch in the "WWV" range on the calibrator.

For a long while I used just a home brew, 100 kc only calibrator with my HRO-50. Later I replaced it with a solid state home brew calibrator that gives me markers at 100, 50, 25 or 10 kc points, switch selected from the front panel. I built it from DTL, so it has to be at least 30 years old! You could build one from a more modern logic family if you like. I can send you my diagram for ideas.

Please arrange for the propagation to work between Kentucky and New Mexico for the fall CX, and we can have an HRO-50/Orange and Green Globe Scout two way.

73,

Jim, W8KGI

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End of BOATANCHORS Digest 3106  
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